

AOC EW ASIA
The Future of Electronic Warfare in the Asia Pacific Region
29 - 30 January 2019 Marina Bay Sands, Singapore

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| 08:00 | Registration |
| 08:50 | Conference doors open |
| 09:00 | Welcome and introduction - Chairman's opening remarks Wing Commander John Clifford OBE MSc CEng CITP RAF (Retd), AOC Director Global Conferences Air Marshal Phillip Sturley CB MBE BSc FRAeS CCMI RAF (Retd) Conference Chairman, UK |
| | Session 1 – Welcome |
| 09:05 | AOC Welcome: Muddy Watters, AOC President AOC Singapore Chapter Welcome: Dr Lee Kar Heng Singapore Chapter President, Singapore |
| 09:15 | Keynote Address: Operational Update - Managing Multiple Origin Operational Systems in EW Domain Air Marshal Daljit Singh (Retd) Former Assistant Chief of Air Staff (Air Defence) and Director General (Air Operations), Indian Air Force, India |
| 09:40 | Opening Address: The Increased Capability of Chinese, Russian and North Korean Cyber Espionage Threaten to Undermine Democracy Professor David Stupples, Professor of Electronic and Radio Systems, Director EW Research, City, University of London, AOC At-Large Director, UK |
| 10:05 | The Electromagnetic Environment/Domain is Changing – How Do You Know? Shaun Vickers, EW Development Manager, MASS, UK |
| 10:30 | Networking and refreshment break |
| | Session 2 – Operational Focus |
| 11:00 | The Future of EW beyond Cyber Electromagnetic Activities (CEMA) Colonel Alan Blackwell British Army (Retd), Director, ABAL Insight Ltd. UK |
| 11:25 | US Air Force Bomber Operations & Training to Support the Indo-Asia-Pacific Region Colonel John Edwards Commander 28th Bomber Wing, US |
| 11:50 | SEAD Capabilities to Counter Regional Anti-Access Area Denial (A2AD) Postures Dr Thomas Withington, EW Editor and Analyst, Monch Publishing, France/UK |
| 12:15 | Lunch break and Networking |
| | Session 3 – Command, Control & Battle Management (C2BM) in the EM Environment/Domain |
| 13:40 | Application of Big Data in Support of Military Spectrum Operations I.C. Tillman, Business Development Manager for RF Sensors and Geolocation, Keysight Technologies, US. |
| 14:05 | The Australian Defence Force's Evolving Approach to Information Operations Jeff Malone, Senior Analyst, Theatre Operations Analysis Group, Defence Science and Technology Group, Department of Defence, Australia |
| 14:30 | EW AESA – Technology Available for Powerful Spectrum Control Nathan Abraham, Manager EW System Engineering, ELTA Systems Ltd, Israel |
| 14:55 | Networking and refreshment break |
| | Session 4 – Regional Activities |
| 15:30 | Spectrum: Multi-Domain and Multi-National Dustan Hellwig, Chief Technical Officer, Chesapeake Technology International, US |
| 15:55 | Australia's Future EW Strategic Research Program Alasdair McInnes, Research Leader, Systemic Protection & Technology Group, Defence Science & Technology Group, Australia. |
| 16:20 | Changing Landscape of Intelligence Dr Ravi Kishore, Vice-President Technology, Vehere Interactive, India |
| 16:45 | End of Day One. Chairman's closing remarks followed by Networking reception to be held in the Exhibition area |

| DAY TWO Wednesday 30 January 2019 | |
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| 08:50 | Conference doors open |
| 09:00 | Chairman's remarks Air Marshal Phillip Sturley CB MBE BSc FRAeS CCMI, Conference Chairman, RAF (Retd) UK |
| | Session 5 – Opportunities and Challenges |
| 09:05 | The Russian EW Threat Dr LEE Kar Heng, Director, TBSS Center for Electrical & Electronics Engineering, AOC Singapore Chapter President, Singapore |
| 09:30 | UK Partnered EW Operational Support – Innovation Through Collaboration Rich Birchenall, Chief Development Officer, UK Partnered EWOS and the Joint EW Operational Support Centre, UK MOD, UK |
| 09:55 | Future EW Challenges in Asia Dr Hubert Pointek, Sales Spectrum Dominance & Airborne Systems, Hensoldt, Germany |
| 10:20 | Open Architecture Systems Enabling Future Capabilities Kent Barker, Senior Director, Business Development, Terma North America Inc US |
| 10:45 | Networking and refreshment break |
| | Session 6 – Technology |
| 11:15 | Automatically Deriving Tactical Data Links (TDL) from Standardization Documents such as NATO STANAGS Professor Doctor Tobias Eggendorfer, University of the Federal Armed Forces, Munich, Germany |
| 11:40 | How 5G Will Drive Defense Requirements for COTS SDRs Mr. Manuel Uhm, Director of Marketing, National Instruments, Singapore |
| 12:15 | Ultrathin All-Digital Software-defined Active Phased Array Technology Dr Yu-Jiu Wang, Founding CEO, Tron Future Tech, Taiwan |
| 12:40 | Lunch break and Networking |
| | Session 7 – Lines of Development |
| 13:45 | CONOPS – Joint Data Links Interoperability Requirements for ISR & Collective ESM Operations – Effectiveness Optimization Colonel Athanasios Chouliaras (Hellenic Air Force Retd) Airborne ISR & C2BM - EW Systems Evaluator, Hellenic Air Force Veterans Association, Greece |
| 14:10 | EW Training Simulator – A Smart Way for EW Scene Virtualization & EW Operational Support Enhancement Martin Zach, Project Manager, ERA a.s, Czech Republic |
| 14:35 | Artificial Intelligence (AI) and Deep-Learning (DL) in IR-based Missile Warning Systems (JMWS) Dan Azaria, Director of IR Algorithms Research Group, Elbit Systems EW & SIGINT, Elisra Elbit, Israel |
| 15:00 | Networking and refreshment break |
| | Session 8 – Future Technology |
| 15:30 | Internet of Things (IOT) for Defence Applications CK Vishwakarma, Founder & CEO AllThingsConnected, Singapore |
| 15:55 | CubeSats for Cheap but Effective ELINT Professor David Stupples, Professor of Electronic and Radio Systems, Director EW Research, City, University of London, AOC At-Large Director, UK |
| 16:20 | Chairman and Conference Director Closing Remarks, |
| 16:30 | Appreciation and Future Events; Farewell |